DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY Judith River Formation Dark-gray marine shale, relatively homogeneous N throughout thickness. Contains numerous concretionary zones and occasional beds of impure bentonite, which are mostly less than 2 feet thick. Few sandstone beds have been observed, and none are known to be continuous S E B URRENCE WATER Z CENTRAL FORT PECK RESERVOIR 1.2 1.7 1.7 2.8 2.8 2.8 inits 20 1 1 1 0 Magnesium (Mg) Well (feet)

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1,090 Potassium (K) 4.7 Chloride (Cl) Fluoride (F) as covered by water of the Miss River and Fort Peck Reservoir 0.1 + 0.1 = 0.1Calcium magnesium

Calcium magnesium

CaCo₃

Noncarbonate 2,230 2,240 2,260 2,260 2,260 2,260 2,260 2,260 2,260 2,260 2,120 1,980 1,980 1,980 1,980 1,980 1,980 1,980 2,135 8.8 8.4 9.0 2,490 2,420 2,270 1,750 1,660 2,220 1,790 1,790 2,550 1,960 2,410 2,220 2,330 2,330 2,330 2,340 2,340 2,340 2,340 2,340 2,340 2,340 2,340 2,590 2,580 2,580 2,580 2,580 2,580 2,580 2,580 2,580 2,580 2,580 2,760